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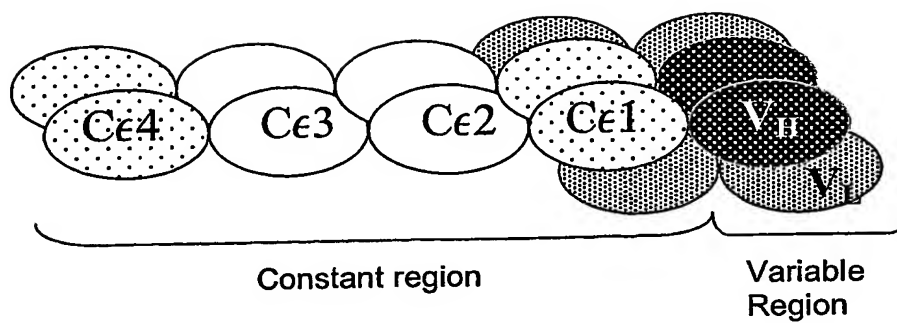


Figure 1

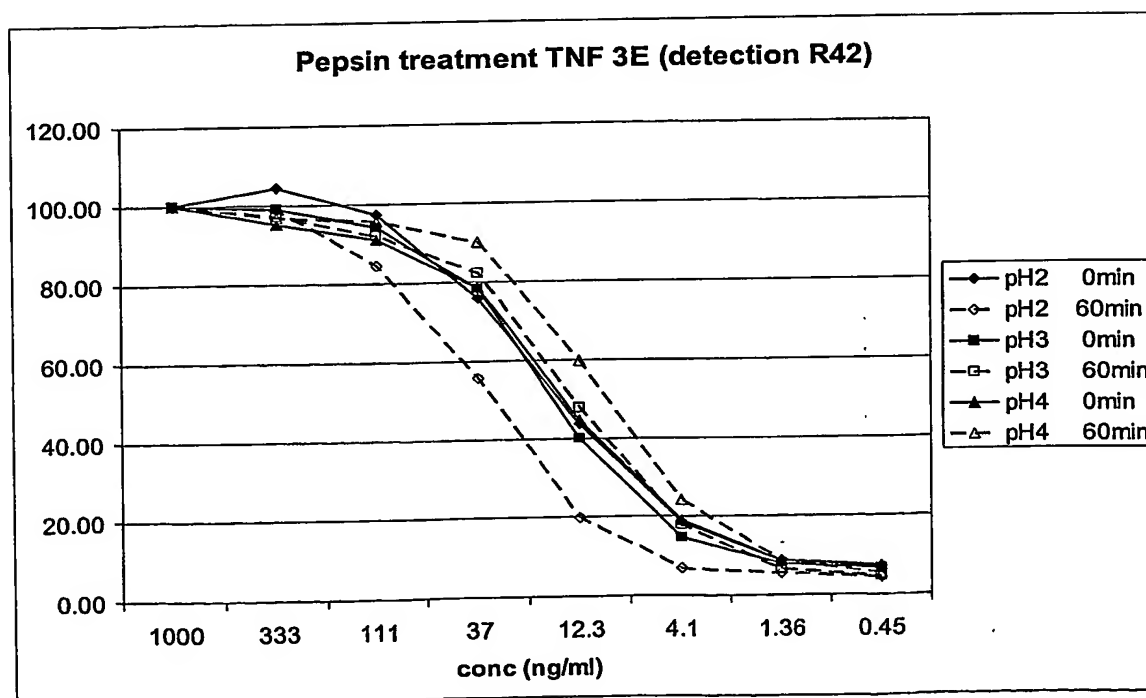
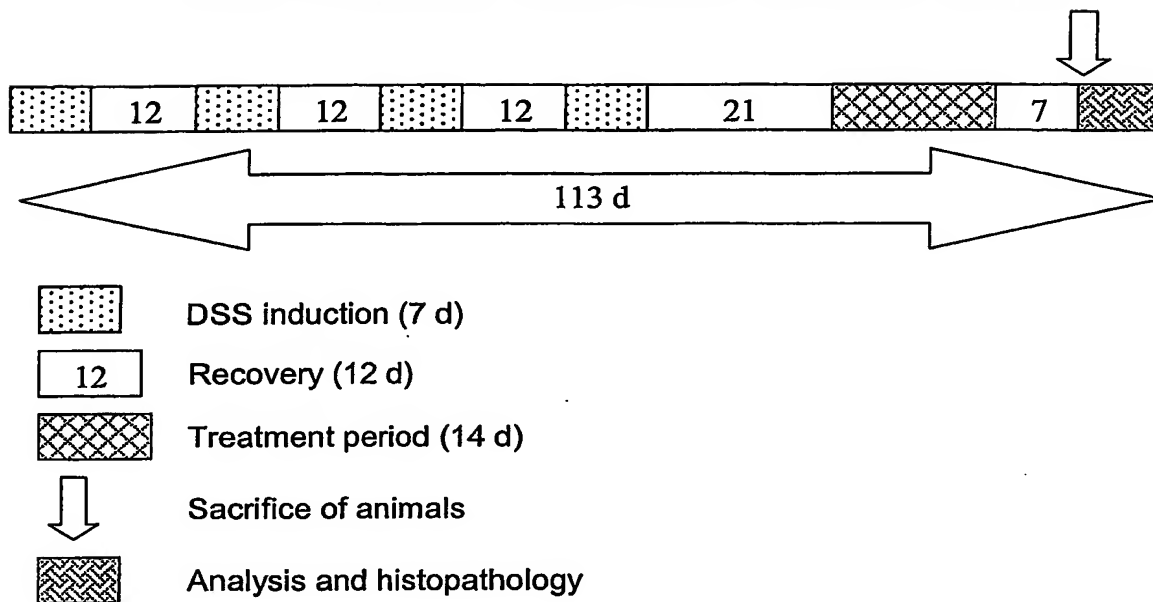


Figure 2

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DSS-induced Model of Chronic Colitis**Figure 3**

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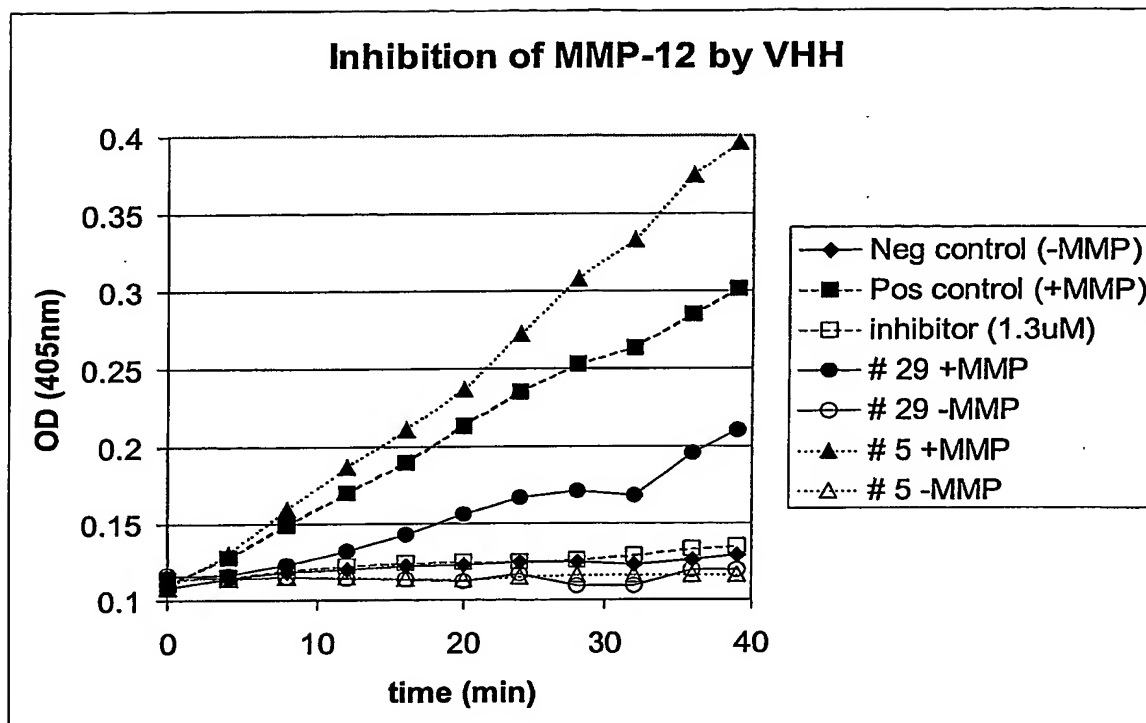


Figure 4

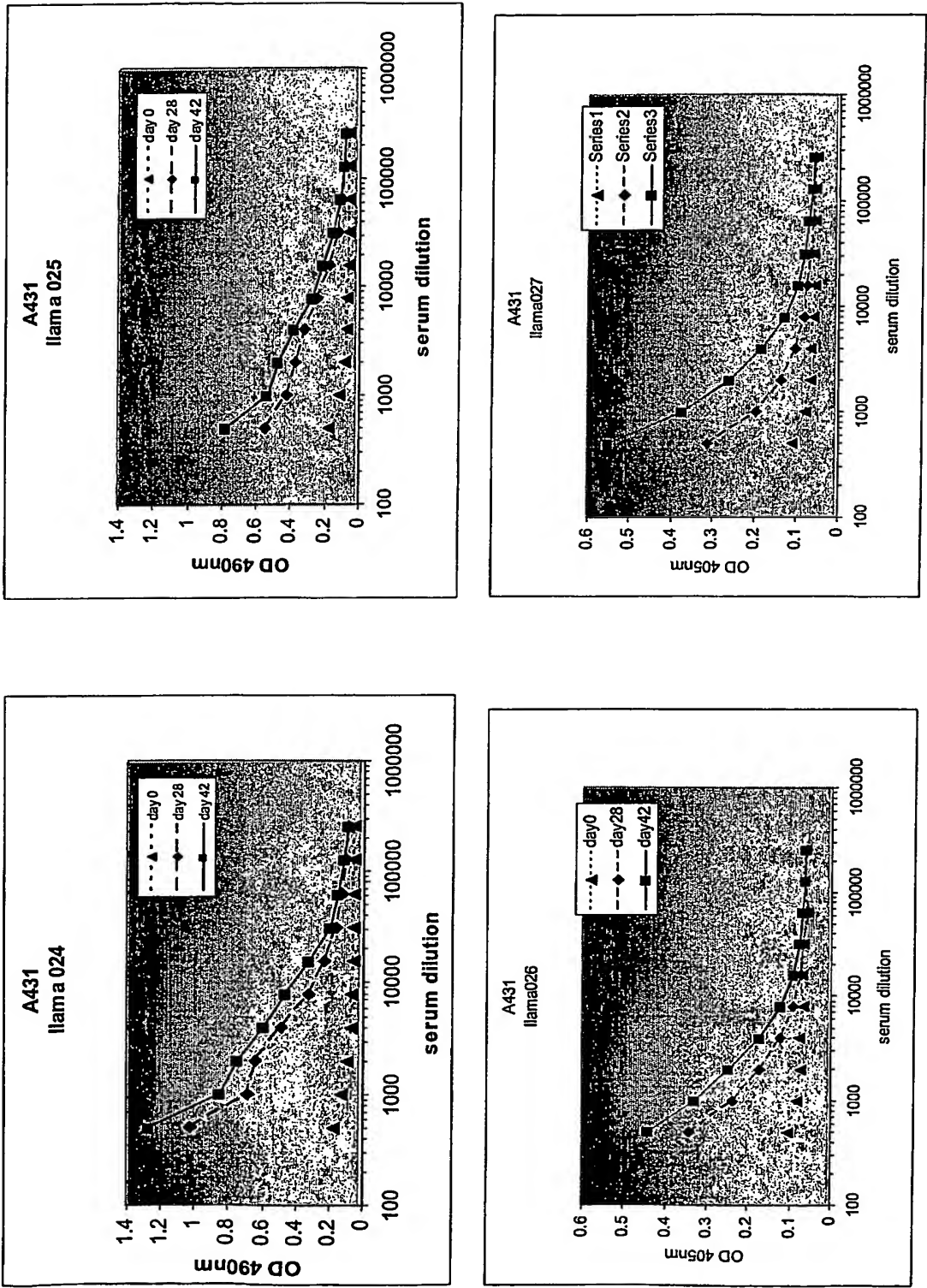


Figure 5

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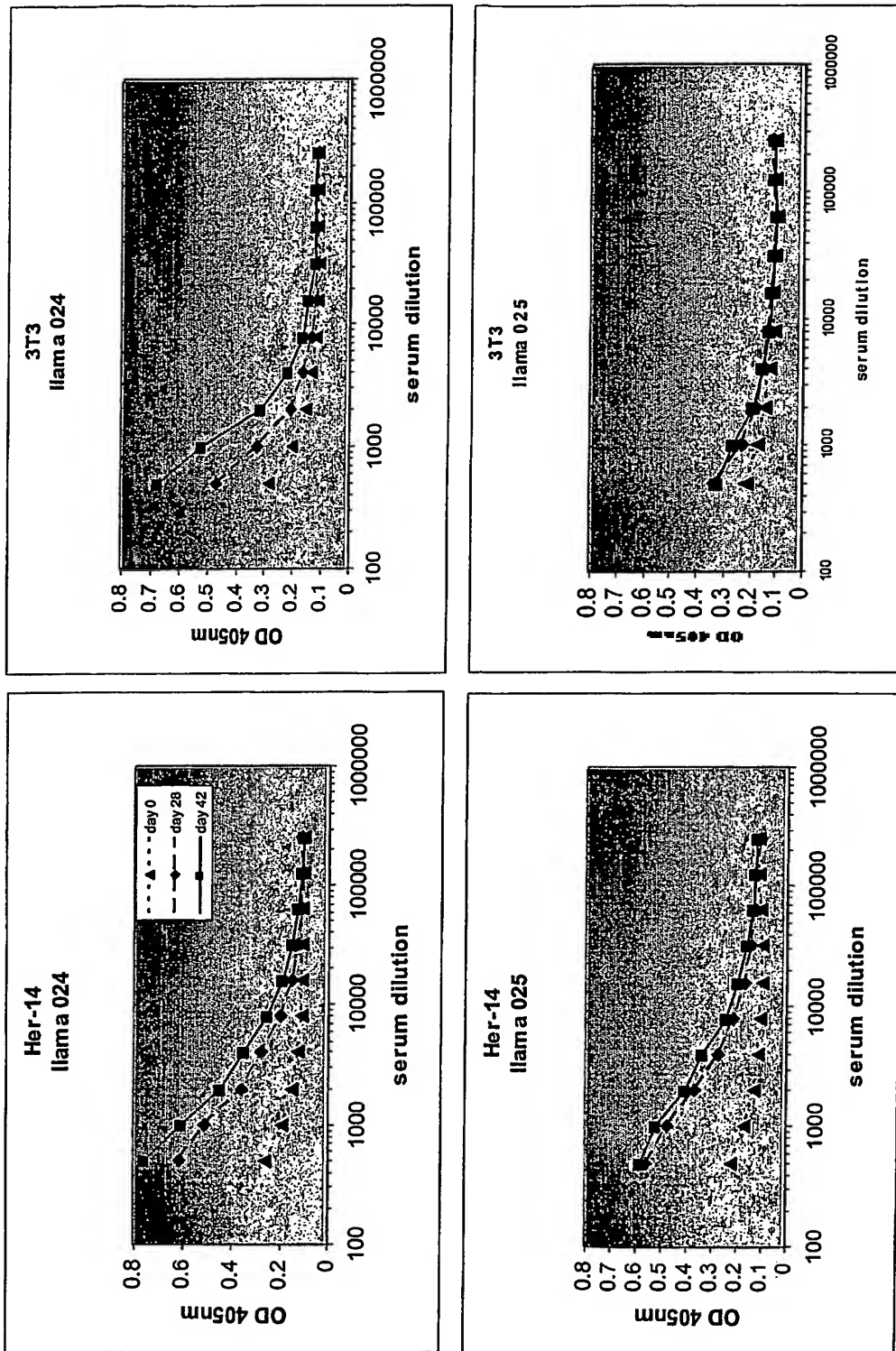


Figure 6 - 1

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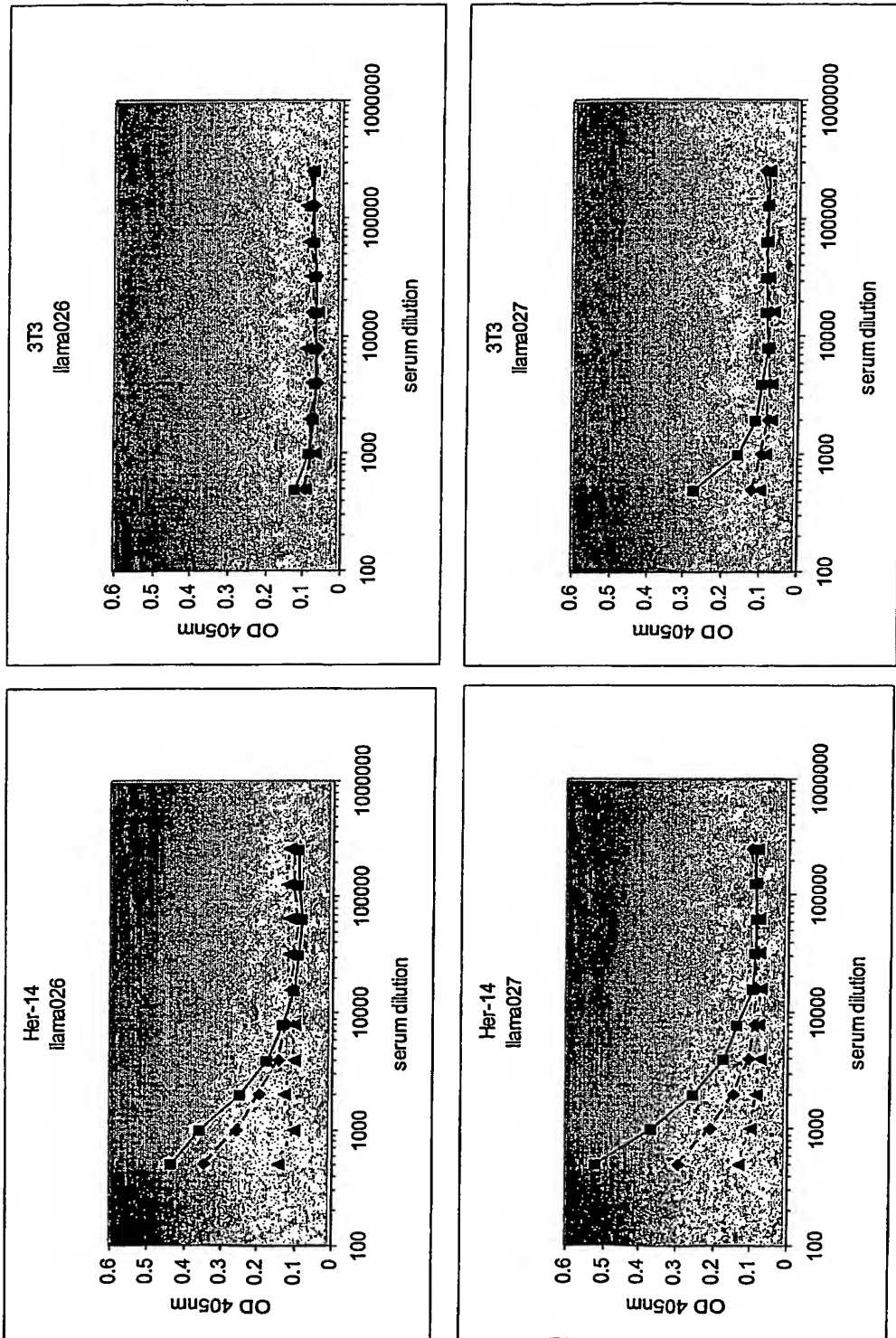


Figure 6-2

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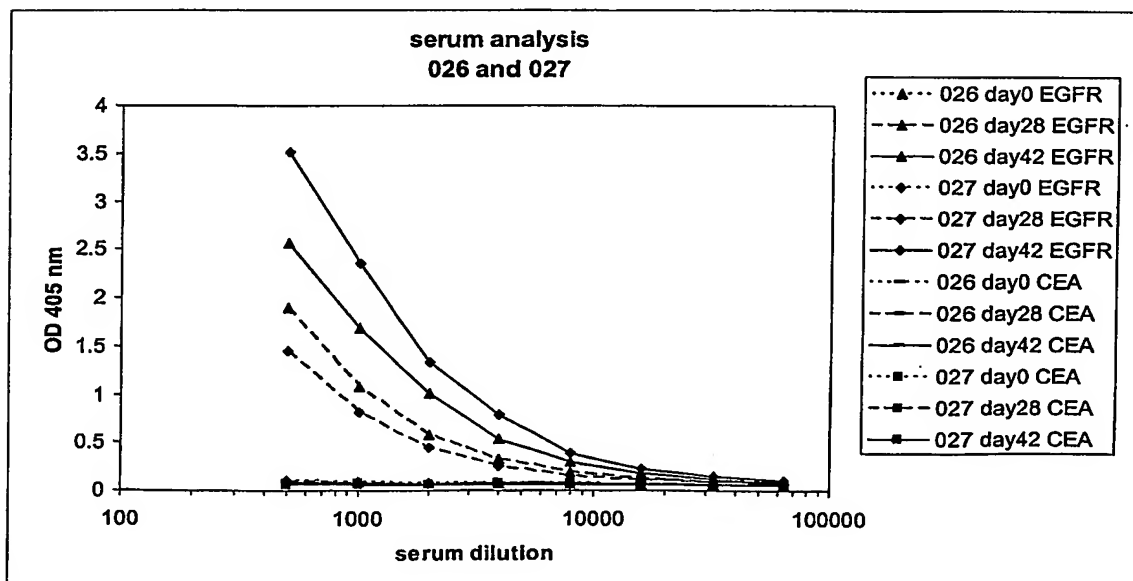
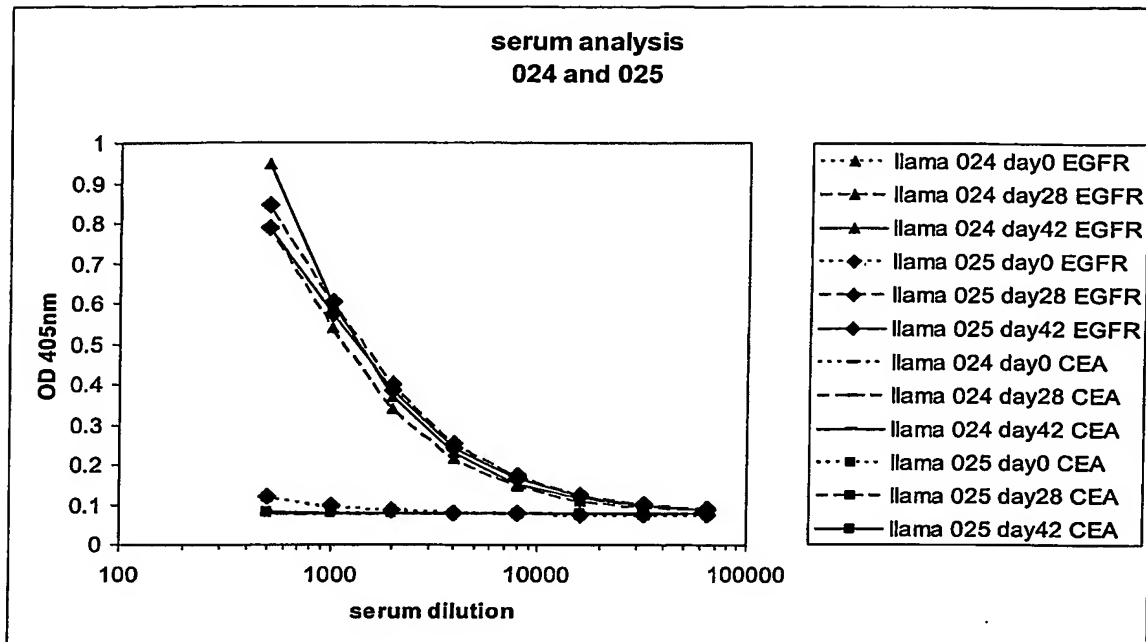


Figure 7

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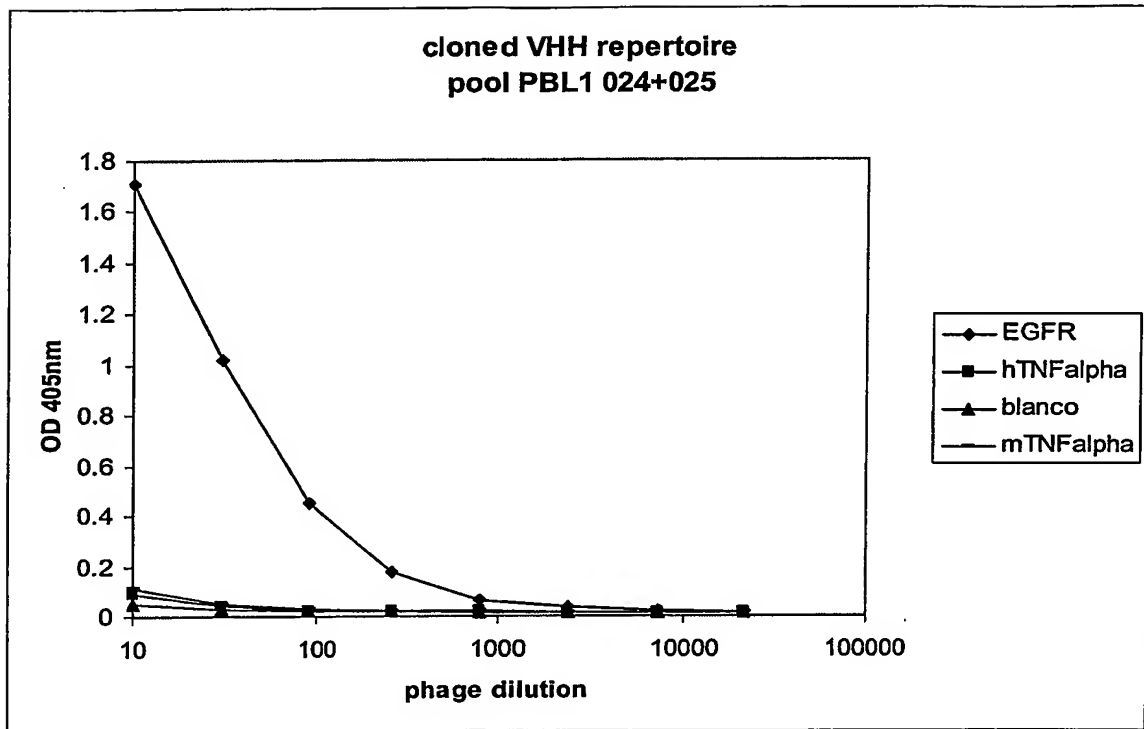


Figure 8

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	< FR1	> CDR1	< FR2	> CDR2
1.33	EVQLVESGGGLVQPGGSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFA	AITSSSRITYTESVKG
3.14	AVQLVESGGGLVQPGGSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFA	AITSSSRITYTESVKG
2.34	QVKLEESGGGLVQPGDSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFA	AITSSSRITYTESVKG
1.4	EVQLVESGGGLVQAGGSLRLSCAASGRTFS	NYVMG	WFRQAPGKERDFV	GIGRSGGDNTYYADSVKG
Ia9	QVQLVESGGGLVQAGGSLRLSCAASGRTFS	NYVMG	WFRQAPGKERDFV	GIGRSGGDNTYYADSVKG
2.20	EVQLVESGGGLVQAGGSLRLSCAASGRSFS	SYAMA	WFRQAPGKEREFA	AIWGGGSTYYAVSVKG
IIIa6	EVQLVESGGGLVQAGGSLRLSCAASGRSFS	SYAMA	WFRQAPGKEREFA	AIWGGGSTYYAVSVKG
Ia26	QVQLQESGGGSLVQAGGSLRLSCAASGRGFS	RYAMG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
IIIa42	EVQLVESGGGSLVQAGGSLRLSCAASGRSFS	TYAMG	WFRQAPGQDREFVA	TISWTDSTDYADSVKG
Ia33	QVQLQESGGGSLVQAGGSLRLSCTASGRRFS	TYAVG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
3.1	EVQLVESGGGSLVQAGGSLRLSCTASGRRFS	TYAVG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
Ia1	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	SYAMG	WFRQAPGKEREFA	AINWSGGSTYADSVKG
Ia21	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	SYAMG	WFRQAPGKEREFA	AINWSGGSTYADSVKG
IIIa3	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	SYAMG	WFRQAPGKEREFA	AINWSGGSTYADSVKG
1.9	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	SYVMG	WFRQAPGKEREFA	AIHWSGGRTYYADSVKG
1.34	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	KYAMG	WFRQAPGKEREFA	AIWSDGSTYYADSVKG
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2.6	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	NYAMG	WFRQAPGKEREFA	AINWGGGNTYYADSVKG
3.34	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	SYAIG	WFRQAPGKEREFA	AIWGGGNTYYADSVKG
1.38	QVQLQDSGGGLVQAGDSLRLSCAASGRSFG	GYAMG	WFRQAPGKEREFA	AIWGGGNTYYADSLKG
3.32	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	GYAMG	WFRQAPGEEREFA	AIWRTSTYYGDSAKG
4.43	QVQLQESGGGLVQAGGSLRLSCAASGRTFS	GYAMG	WFRQAPGEEREFA	AIWRTSTYYGDSAKG
Ia15	QVQLQDSGGGLVQAGGSLRLSCAASGRTFS	SYAMG	WFRQAPGKEREFA	AIGLNTYYADSVKG
Ia7	QVQLQESGGRLVQTGGSLRLSCAASGGTFG	TYALG	WFRQAPGKEREFA	AIWRTSTYYADSVKG
3.39	QVQLQESGGGLVQTGGSLRLSCAASGRYIM	G	WFRQAPGKEREFA	GISRSGASTAYADSVKD
3.40	QVKLEESGGGLVQAGGSLRLSCASGLTFS	NYAMA	WFRQAPGKEREFA	TISQRGGMRHYLDSVKD
4.22	QVKLEESGGGLVQAGGSLRLSCAASGSI FS	INAMG	WYRQAPGKQRELVA	RITGTGTGITGAVSTNYADSVKG
4.11	QVKLEESGGGLVQAGDSLRLSCAASGRSFS	SITMG	WFRQAPGKERQFVS	AINSNNGNRYADSVKG
4.21	EVQLVESGGGLVQAGGSLRLSCAVSGRTFS	SMG	WFRQAPGKEREFA	TINLSGDRDYADSVKG
IIIa5	EVQLVESGGGLVQAGGSLRLSCTASGRTFS	SYAMG	WFRQTPGKEREFA	AITSSGGSTYYADSVKG
3.18	EVQLVESGGGLVQPGGSLRLSCVASGFTFA	DYAMS	WFRQAPGKGLQWVS	SISYNGDTTYAESMKD

Figure 9 - 1

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	< FR3	> .CDR3	< FR4 >
1.33	RFTISRDNAKNTVYLMNSLKSEDTAVYYCAA	DRTFYGSTWSKYDY	RGQGTQVTVSS
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2.34	RFTISRDNAKNTVYLMNSLKSEDTAVYYCAA	DRTFYGSTWSKYDY	RGQGTQVTVSS
1.4	RFTISWDNAKNTMYLQMNSLKPEDTAVYYCAA	STYSRDTIFTKWANYNY	WGQGTQVTVSS
Ia9	RFTISWDNAKNTMYLQMNSLKPEDTAVYYCAA	STYSRDTIFTKWANYNY	WGQGTQVTVSS
2.20	RFTISRDNAKNTVYLMNSLKPEDTARYYCAA	DETFHSSAYGEYDY	WGQGTQVTVSS
IIIa6	RFTISRDNAKNTVYLMNSLKPEDTARYYCAA	DETFHSSAYGEYDY	WGQGTQVTVSS
Ia26	RFAISRDNAKNTAYLQMNSLKPEDTAVYYCAA	DKWASSSTRSIDYDY	WGQGTQVTVSS
IIIa42	RFTISRDNAKNTGYLQMNSLKPEDTAVYYCAA	DRWASSRRNVDYDY	WGQGTQVTVSS
Ia33	RFTISRDNAKNTGYLQMNSLKPEDTSVYVCAA	DKWSSSRRSVDYDY	WGQGTQVTVSS
3.1	RFTISRDNAKNTGYLQMNSLKPEDTSVYVCAA	DKWSSSRRSVDYDY	WGQGTQVTVSS
Ia1	RFTISRDNKTNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
Ia21	RFTISKDNKTNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
IIIa3	RFTISRDNKTNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
1.9	RFTISSDNAKNTLYLQMNSLKPEDTAVYYCAA	SRIIYSYVNYVNPGEYDY	WGQGTQVTVSS
1.34	RFTISRDNAKNTVYLVNSLKPEDTAVYYCAA	TYLVDVWAVHVPIRPYEYDY	WGQGTQVTVSS
Ia10	RFTISRDNAKNTVYLVNSLKPEDTAVYYCAA	TYLVDVWAVHVPIRPYEYDY	WGQGTQVTVSS
2.6	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	SEWGGSDYDHDYDY	WGQGTQVTVSS
3.34	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GEVNSSDYAYEYDY	WGQGTQVTVSS
1.38	RFTISRDNAKNTVYLMNSLKPEDTALYYCAA	GLRPSPNYNHER-SYDY	WGQGTQVTVSS
3.32	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GSHSDYAPDYDY	WGQGTQVTVSS
4.43	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GSHSDYAPDYDY	WGQGTQVTVSS
Ia15	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	RTSGVVGGTPKRYDY	WGQGTQVTVSS
Ia7	RFTISRDNANNTVYLEMNSLKPEDTAVYYCAA	REGVALGLRNDANY	WGQGTQVTVSS
3.39	RFTISRDSALNTVYLMNSLKAEDTAVYFCAA	ALAIRLGIPRGETEYDY	WGQGTQVTVSS
3.40	RFTISRDNAKNTVYLMNSLKPDDTAVYYCAA	DLMYGVDRRYDY	WGRGTQVTVSS

Figure 9 - 2

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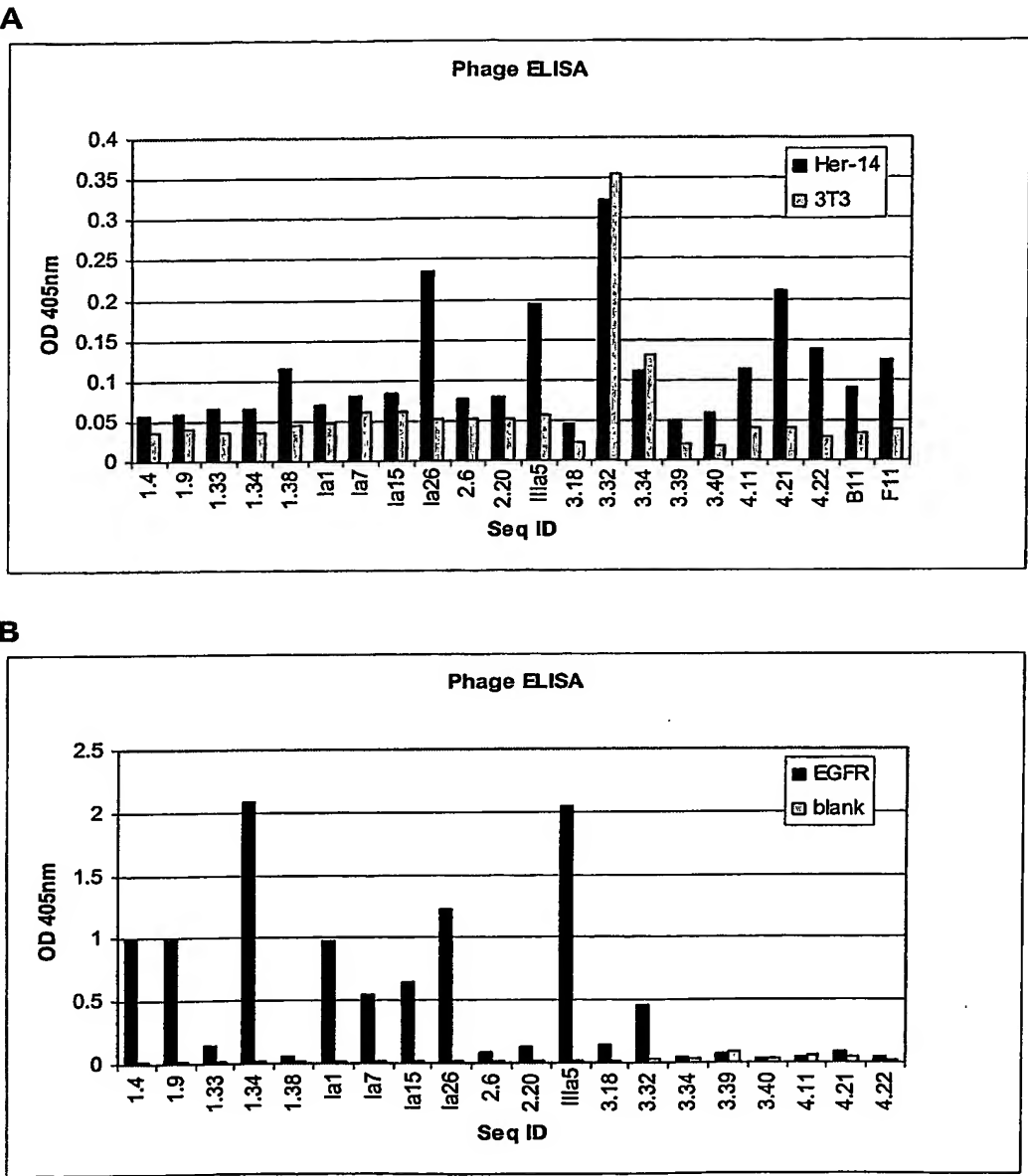
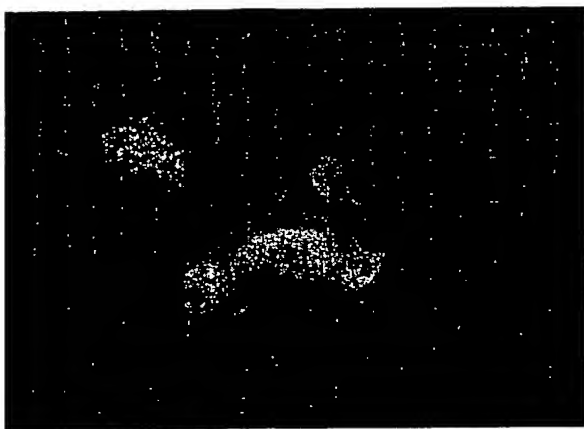


Figure 10

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A



B



Figure 11 - 1

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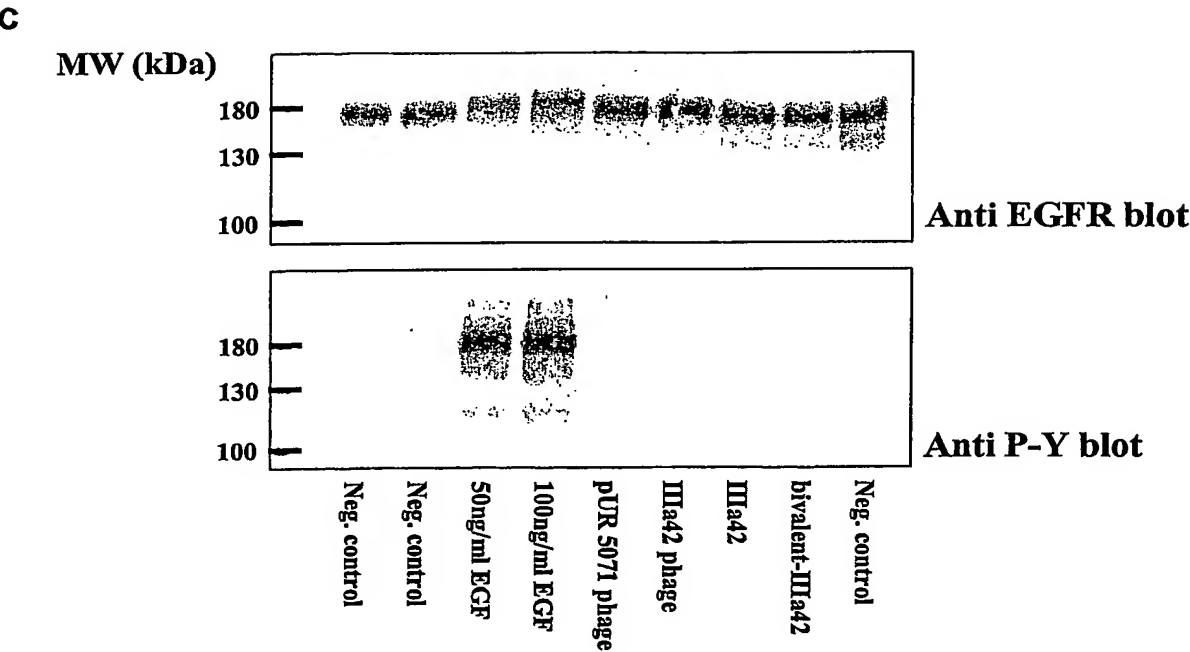


Figure 11 – 2

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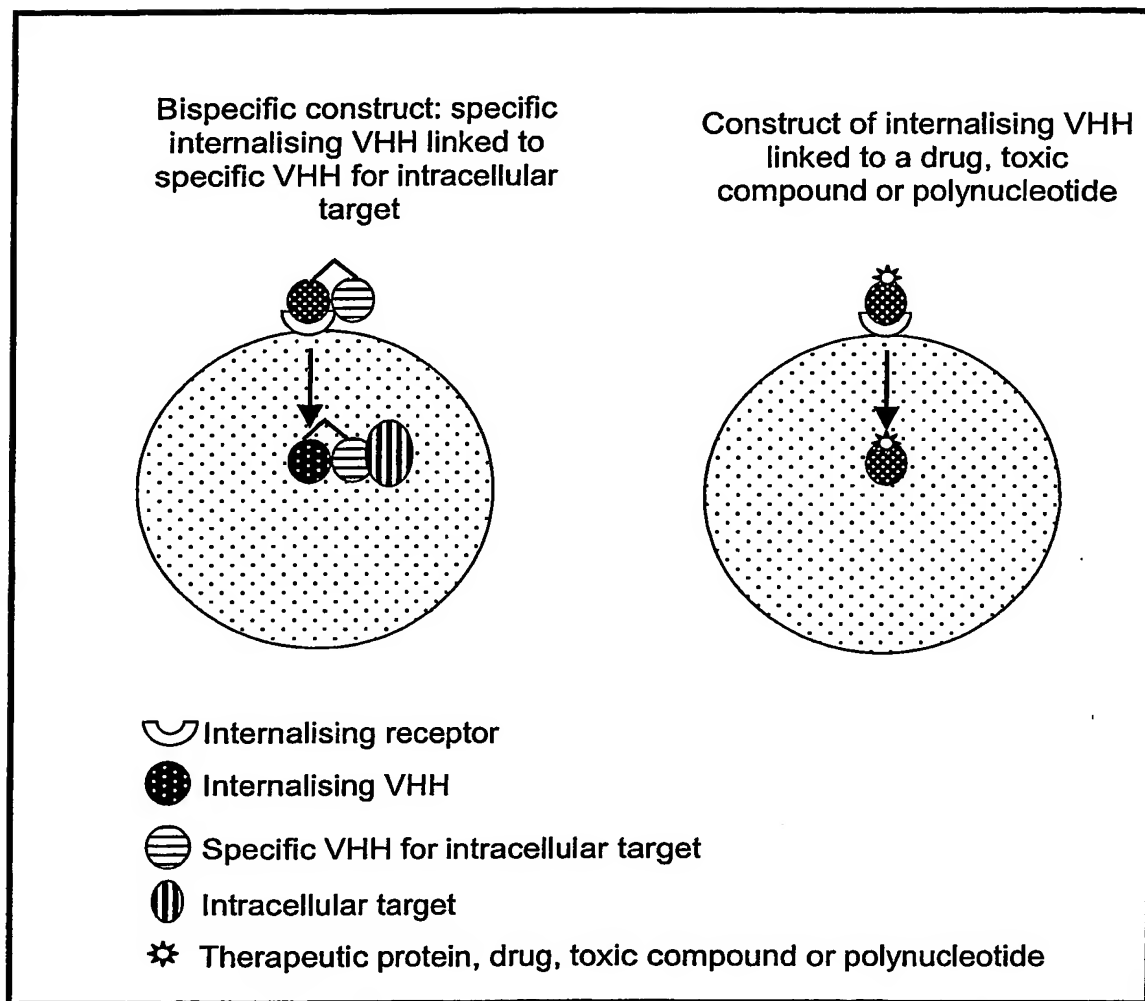


Figure 12